

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	MAIL STOP PCT
Stephane Paul)	Group Art Unit:
Application No.: 10/565,371)	Examiner:
Filing Date: January 23, 2006)	Confirmation No.:
Title: NOVEL MULTIFUNCTIONAL)	
CYTOKINES)	
)	

**FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

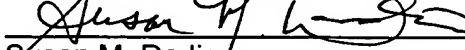
Enclosed is a FIRST Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date December 13, 2006

By: 
Susan M. Dadio
Registration No. 40373

P.O. Box 1404
Alexandria, VA 22313-1404
703 836 6620

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Stéphane Paul)	
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Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

The Examiner's attention is directed to copending application number 10/895,396, naming Stéphane Paul as inventor(s) and filed on July 21, 2004, and the documents cited therein. According to the Private Patent Application Information Retrieval System (PAIRS), the application is available in electronic format therefore not requiring a copy to be enclosed.

In accordance with MPEP § 609 III C(2) (August 2001, page 600-131), the Office is requested to return a copy of this Information Disclosure Statement with the Examiner's initials adjacent to this paragraph indicating that this copending application has been considered. By citation to the copending application,

confidentiality is not waived and the Office is requested to maintain the confidentiality of the copending application under 35 U.S.C. § 122.

This Information Disclosure Statement contains information which is not in the English language but was cited in a search report or other action by a foreign patent office in a counterpart foreign application. In accordance with MPEP § 609 III A(3), an English language version of the search report or action which indicates the degree of relevance found by the foreign office is being submitted herewith.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: December 13, 2006

By:


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Registration No. 40373

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FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
 (use as many sheets as necessary)

Sheet 1 of 3

Application Number	10/565,371
Filing Date	January 23, 2006
First Named Inventor	Stephane Paul
Examiner Name	
Attorney Docket No.	1032751-000123

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,552,005	B1	BUCHSBAUM et al.	04-22-2003
	5,359,035		HABERMANN	10-25-1994

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS					
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract
	0 158 198	A1	EP	10-16-1985				X		
	0 225 579	B1	EP	06-16-1987				X		
	0 288 809	B1	EP (Corres. To USP 5,359,035)	11-02-1988				X		
	0 816 510	A1	EP	01-07-1998				X		
	94/21792	A2	WO	09-29-1994				X		
	98/40498	A2	WO	09-17-1998				X		
	99/36440	A2	WO	07-22-1999				X		
	98/08947	A1	WO	03-05-1998				X		
	93/20849	A1	WO	10-28-1993				X		
	99/60128	A1	WO	11-25-1999				X		
	02/102404	A1	WO	12-27-2002				X		
	01/93898	A1	WO	12-13-2001				X		
	03/035105	A2	WO	05-01-2003				X		
	01/68896	A1	WO	09-20-2001				X		
	01/10912	A1	WO	02-15-2001				X		
	02/101049	A2	WO	12-19-2002				X		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	International Search Report issued in corres. PCT/EP2004/008114, March 31, 2005, EPO, Rijswijk, NL
	ROCK, F. et al., "Overexpression and structure – function analysis of a bioengineered IL-2/IL-6 chimeric lymphokine", Protein Engineering, September 1992, pp. 583-591, vol. 5, no. 6, Oxford University Press, Surrey, GB
	KAUFMANN, A.M., et al., "Comparison of Cytokines and CD80 for Enhancement of Immunogenicity of Cervical Cancer Cells", Immunobiology, October 2000, pp. 339-352, vol. 202, no. 4, Urban & Fischer Verlag, GERMANY
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Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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(use as many sheets as necessary)

Sheet 2 of 3

Application Number	10/565,371
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	JU, Dian Wen, et al., "Adenovirus-mediated combined suicide gene and interleukin-2 gene therapy for the treatment of established tumor and induction of antitumor immunity", Journal of Cancer Research and Clinical Oncology, 1998, pp. 683-689, vol. 124, no. 12, Springer-Verlag, Heidelberg, GERMANY
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	KIM, Soo-Hyun, et al., "Identification of Amino Acid Residues Critical for Biological Activity in Human Interleukin-18", The Journal of Biological Chemistry, March 29, 2002, pp. 10998-11003, Vol. 277, No. 13, The American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MARYLAND
	KIM, Soo-Hyun M., et al., "Site-specific mutations in the mature form of human IL-18 with enhanced biological activity and decreased neutralization by IL-18 binding protein", Proc. Natl. Acad. Sci., March 13, 2001, pp. 3304-3309, vol. 98, no. 6, USA
	DANTHINNE, X., et al., "Production of first generation adenovirus vectors: a review", Gene Therapy, 2000, pp. 1707-1714, vol. 7, Macmillan Publishers Ltd., USA

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	HE, Z., et al., " <i>Viral Recombinant Vaccines to the E6 and E7 Antigens of HPV-16</i> ", Virology, 2000, pp. 146-161, Vol. 270, Academic Press, USA
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